

Overview

hp OpenView Storage Operations Manager

Product Version: 1.2

Third Edition (September 2004)

Part Number: T3268-88000



This document describes HP OpenView Storage Operations Manager, including what is new, what is in the kit, and how to begin.

For the latest version of this overview and other documentation, access the HP storage web site:

<http://h18006.www1.hp.com/products/storageworks/enterprise/documentation.html>.



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What's new?

The following features are new for this release:

- Support for installation on open, Windows-based servers in addition to the HP OpenView Storage Management Appliance
- New LTU model:
 - Capacity-based licensing now allows purchase of a one-time Unlimited Capacity Use license for each EVA purchased. A 1-TB license continues to be offered and can be used in combination with other 1-TB licenses.
 - Licenses are now purchased separately for each EVA by model type.
 - The license terms for OpenView Storage Node Manager now extend beyond management of EVAs to the full supported list of heterogeneous, multivendor storage.

What is HP OpenView Storage Operations Manager?

HP OpenView Storage Operations Manager is the combined offering of the following products:

- HP StorageWorks Command View EVA
- HP OpenView Storage Area Manager
- Storage System Scripting Utility
- Storage Manager Initiative Specification for Enterprise Virtual Array

These products are described below.

HP StorageWorks Command View EVA

HP StorageWorks Command View EVA is the user interface through which you configure, manage, and monitor the Enterprise Virtual Array (EVA). You can use Command View EVA to create virtual disks, specify Vraid levels and cache policy, create snapclones and snapshots, view event information, and create data replication groups.

Command View EVA integrates with higher-level management frameworks such as Storage Area Manager, Network Node Manager, HP Systems Insight Manager, Instant Support Enterprise Edition, CA Unicenter TNG, BMC Patrol, and Tivoli NetView. These integrations enable you to manage HP storage systems from a single network management console.

HP OpenView Storage Area Manager

HP OpenView Storage Area Manager is a suite of applications with a common core and common interface for managing heterogeneous storage networks. The core product automatically discovers hosts, interconnect devices, bridges, storage devices, and NAS devices and displays them in a resources tree and a device map. It also probes the storage network and its own processes and displays events in an event panel.

HP OpenView Storage Operations Manager provides a permanent license for the Storage Node Manager component of Storage Area Manager. Storage Node Manager monitors and graphically displays the status of each discovered device in your storage networks. You can create links to device-specific applications and then start the applications from the Storage Area Manager user interface. Default application links are provided for each device Storage Area Manager supports.

Other Storage Area Manager applications provide the following features:

- Storage Accountant meters storage space in organization accounts and reports the associated cost at the end of each month.
- Storage Allocator controls storage access and provides security by assigning LUNs to specific hosts or share groups.
- Storage Builder monitors and reports storage capacity in a storage network. It routinely discovers the physical capacity of storage devices and the logical capacity of hosts and NAS devices and analyzes information for current usage, past and future usage trends, and threshold violations.
- Storage Optimizer monitors and reports the performance of storage network resources. Storage Optimizer can display any metric that a resource supports.

Storage System Scripting Utility

The Storage System Scripting Utility (SSSU) for Enterprise Virtual Array allows you to configure and control EVA 3000 and 5000 controllers from a command line. You can execute configuration requests using SSSU or the Command View EVA graphical user interface. Use Command View EVA to handle simple or initial configuration tasks. Use SSSU to script and run repetitious and complex configuration tasks.

Storage Management Initiative Specification

Storage Management Initiative Specification (SMI-S) is a standard interface sponsored by the Storage Networking Industry Association. It enables HP and other storage vendors to develop products to a single standard and eliminates the need for custom or manual integration of HP storage solutions in multivendor environments.

Storage Operations Manager includes an SMI-S provider that software vendors can use to develop software to manage EVAs.

Storage Area Manager also provides an SMI-S client that allows SMI-S-compliant hardware to function with Storage Area Manager.

What's in the kit?

The Storage Operations Manager media and documentation kit contains the following:

- Cover letter
- *HP OpenView Storage Operations Manager Overview*
- HP StorageWorks Command View EVA 3.3 software CD
- HP OpenView Storage Area Manager 3.2 software CDs 1 and 2
- *HP OpenView Storage Node Manager: Putting into Practice Example*
- HP OpenView Storage Area Manager Product Brief

How do I begin?

1. Check the *HP StorageWorks Command View EVA Release Notes* for any last-minute issues that you need to be aware of.
2. Install HP StorageWorks Command View EVA.
 - a. On a Windows server, read and follow the instructions in *HP StorageWorks Command View EVA Management Server Installation Guide* on the product CD.
 - b. On an HP Storage Management Appliance, read and follow the instructions in *HP StorageWorks Command View EVA Updating Product Software Instructions* on the Web.
3. To install HP OpenView Storage Area Manager, contact an HP sales representative and schedule HP professional services.

Can I get remote support?

Storage Operations Manager provides support for HP Instant Support Enterprise Edition (ISEE) on HP platforms. ISEE simplifies management of highly diverse IT environments, uses continuous hardware event monitoring and automated notification to identify and prevent potential critical problems during support coverage hours, and enables fast restoration of your supported systems and devices should a problem occur.

HP ISEE offers the following features:

- Remote hardware event management.
- Remote execution of diagnostic scripts.
- Remote network access for HP support engineers (Advanced Configuration only).
- Software management capabilities (Advanced Configuration only).

The benefits of ISEE are:

- Proactive monitoring to reduce system downtime.
- Faster time to problem resolution.
- Robust remote support security.
- Reduced complexity and costs.

For further information on ISEE, visit:

http://www.hp.com/hps/hardware/hw_instant.html

Where can I get more information?

For more information, please visit the following links:

- HP StorageWorks Command View EVA
<http://h18006.www1.hp.com/products/storage/software/som/index.html>
- HP OpenView Storage Management Appliance
<http://h18004.www1.hp.com/products/sanworks/managementappliance/index.html>
- SMI-S
<http://www.snia.org/smi/home>
- HP OpenView Storage Area Manager
<http://h18006.www1.hp.com/products/storage/software/sam/index.html>

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- ISEE
http://www.hp.com/hps/hardware/hw_instant.html

For general support of your HP products, visit the HP product support web site:
<http://www.hp.com/support>

Command View EVA documents

Obtain the following documents from the HP web site:

<http://h20000.www2.hp.com/bizsupport/TechSupport/DocumentIndex.jsp?contentType=SupportManual&prodTypeId=12169&prodSeriesId=359617>

- *HP StorageWorks Enterprise Virtual Array Updating Product Software Instructions*
- *HP StorageWorks Command View EVA Release Notes*
- *HP StorageWorks Command View EVA Getting Started Guide*

The following document is available within the HP StorageWorks Command View GUI software:

- *HP StorageWorks Command View EVA Online Help System*

Obtain the following documents from the HP web site:

<http://www.hp.com/go/evaplatformkit/>

- *HP StorageWorks EVA Platform Kits*

HP OpenView Storage Area Manager documents

Obtain the following documents from the HP web site:

http://ovweb.external.hp.com/lpe/doc_serv

- *HP OpenView Storage Area Manager Installation Guide*
- *HP OpenView Storage Area Manager Upgrade Guide*
- *HP OpenView Storage Area Manager Administrator's Guide*
- *HP OpenView Storage Area Manager CLUI Reference Manual*
- *HP OpenView Storage Area Manager Release Notes*
- *HP OpenView Smart Plug-In for HP OpenView Storage Area Manager Administrator's Reference for HP OpenView Operations on HP-UX and Solaris*
- *HP OpenView Smart Plug-In for HP OpenView Storage Area Manager Administrator's Reference for HP OpenView Operations on Windows*

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- *HP OpenView Storage Area Manager Reporter Integration Administrator's Reference*
 - *HP OpenView Storage Area Manager Service Desk Integration Administrator's Reference*

The following document is available within the Storage Area Manager GUI software:

- *HP OpenView Storage Area Manager Online Help System*
- *HP OpenView SAM Manager of Managers Online Help*